BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK: Improvements CC Roads and CC Drains Works at Kattigenahalli in Ward No.5 Byatarayanapura Sub Division

Estimate Cost Rs. 9900000

Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum							
	For new Rcc drains								
	Drain kattiganahalli 1st main								
	From school to the (LHS)ambrish house		1	304.00	1.55	1.05	496.20		
	Ashwathappa house to main road		1	351.40	1.55	1.00	544.67		
	kattigenahalli lake road		1	83.00	1.60	1.33	176.89		
	culverts								
	Along school to the ambrish house (LHS)		1	4.00	2.10	1.25	10.50		
	Along school to the ambrish house (LHS)		1	5.80	2.10	1.25	15.23		
	Along school to the ambrish house (LHS)		1	6.60	2.10	1.25	17.33		
	Along school to the ambrish house (LHS)		1	6.00	2.10	1.25	15.75		
	Along school to the ambrish house (LHS)		1	7.00	2.10	1.25	18.38		
	Along school to the ambrish house (LHS)		1	5.90	2.10	1.25	15.49		
	Along school to the ambrish house (LHS)		1	7.80	2.10	1.25	20.48		
						Cum	1330.9	137.80	183397.20
	Basic Rate	130.00							
	Area Weightage @6%	7.80							
	Total	**137.80**							
2	Removing B S Slab of Drain and stacking 7.5MM Thick, and as per the directions of the Engineer-in-charge of the work.	Sqm							
	7th B kuvempu nagara								
	Babita Beauty Parlor Road Till #118 Anushri nilaya (L H S)		1	123.00	1.45		178.35		
	7th B kuvempu nagara								
	Babita Beauty Parlor Road Till #118 Anushri nilaya (R H S)		1	127.40	1.45		184.73		
						Sqm	**363.08**	**104.94**	38101.62
	Basic Rate	99.00							
	Area Weightage @6%	5.94							
	Total	**104.94**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) and as per the directions of the Engineer-in-charge of the work	Sqm							
	7th B kuvempu nagara								
	Babita Beauty Parlor Road Till #118 Anushri nilaya (L H S)		1	123.00	1.45		178.35		
	7th B kuvempu nagara								
	Babita Beauty Parlor Road Till #118 Anushri nilaya (R H S)		1	127.40	1.45		184.73		
						Sqm	**363.08**	**111.30**	40410.80
	Basic Rate	105.00							
	Area Weightage @6%	6.30							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Area Weightage @ 6%	3.42							
Total	60.42							
						Grand Total		8460723.00
Applicable GST								1015287.00
Charges								338429.00
Charges								84607.23
Miscellaneous Charges	L/S							953.77
								9900000.00

The work spot has been inspected and the work is found necessary
The estimate is prepared as per PWD SR of 2018-19
The Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
The provisions were made in this estimate are necessary and adequate
The works come under B B M P limits

Assistant Engineer
Ward No 05(Jakkur)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
22/x/19

Assistant Executive Engineer
Project Yelahanka

Administrative Approval
Accorded For ...
Head of A/C ...
CER NO ...

E.E. (Project) 6/11/19

Technical Sanction
Accorded For ...
Head of A/C ...
CER NO ...

SE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK: Improvements CC Roads and CC Drains works at Agrahara Layout in Ward No.05 Byatarayanapura Sub Division

Estimate Cost Rs. 9900000.00

Sl.No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Earthwork excavation by manual means in ordinary soil involving an average horizontal lead upto 2 meters and an average lift upto 1.5 m, excavated surface levered and sides neatly dressed, the disposed earth to be spread neatly after breaking of clods and rakes as per specifications and as per the directions of the Engineer-in-charge of the work	Cum							
	The Culvert								
	7th main Near Agrahara Bus Stand		1	4.90	2.00	1.10	10.78		
	Cross Road		1	9.50	2.00	1.20	22.80		
	Hospital road		1	8.70	2.00	1.20	20.88		
	8th Main 18th Cross		1	7.10	2.00	1.10	15.62		
	7th Main 17th Cross		1	4.80	2.00	1.10	10.56		
	7th Main 16th Cross		1	4.70	2.00	1.10	10.34		
	7th Main 15th Cross		1	7.00	2.00	1.10	15.40		
	Kalappa Road		1	9.10	2.00	1.10	20.02		
			1	6.10	2.00	1.10	13.42		
	New Drain								
	Agrahara Layout								
	1st Main Road		1	47.80	1.30	1.15	71.46		
	7th Main To 4th Main 18th Cross Road		1	53.70	1.30	1.20	83.77		
	4th Main to 5th main 18th Crosss		1	50.90	1.30	1.20	79.40		
	7th Main to 6th Main 18th Cross		1	56.30	1.30	1.20	87.83		
	6th Main to Agrahara hospital		1	103.50	1.30	1.20	161.46		
	Agrahara hospital Back Side		1	107.00	1.30	1.10	153.01		
	Kalappa road		1	67.00	1.30	1.10	95.81		
	New BSM Drain								
	Kalappa Road								
			1	8.10	1.55	1.10	13.81		
	Agrahara Hospital		1	107.00	1.70	1.60	291.04		
	Hospital opposite		1	79.00	1.70	1.60	214.88		
	7th Main Bs Slab drain								
	13th to 12th Cross		2	23.00	0.55	0.38	9.61		
	12th to 11th Cross		2	23.00	0.55	0.380	9.61		
	11th to 10th Cross		2	24.00	0.55	0.370	9.77		
	10th to 9th Cross		1	48.40	0.55	0.37	9.94		
	9th to 8th Cross		2	24.20	0.55	0.37	9.85		
	12th Cross		1	7.00	0.55	0.45	1.73		
			10	0.28		2.00	5.60		
						Cum	1448.41	137.80	199591.35
	Basic Rate	130.00							
	Area Weightage @6%	7.80							
	Total	137.80							
2	Removing B.S Slab of Drain and stacking 7.5MM Thick, and as per the directions of the Engineer-in-charge of the work	Sqm							
	7th Main Bs Slab drain								
	13th to 12th Cross		1	36.90	1.35		49.82		
	12th to 11th Cross		1	36.70	1.35		49.55		
	11th to 10th Cross		1	38.00	1.35		51.30		
	10th to 9th Cross		1	38.40	1.35		51.84		
	9th to 8th Cross		1	38.40	1.35		51.84		
	12th Cross		1	5.80	1.35		7.83		
						Sqm	262.17	104.94	27512.12
	Basic Rate	99.00							

Name of work : Improvements to Roads & CC drains under Agrahara layout in Ward No.05

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Grand Total		8461045.00
	For 12% Applicable GST								1015325.00
	For 4% KRIDL Charges								338442.00
	For 1% DPR Charges								84610.45
	Miscellaneous Charges	L/S							577.55
									9900000.00

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per PWD SR of 2018-19
3. This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B B M P limits.

Assistant Engineer
Ward No 05(Jakkur)

Executive Engineer 22/X/19
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Project Yelahanka

Administrative Approval

Accorded For Rs.99-00 Lakhs only
Head of A/C 4515227
CER NO : 23 Dt: 6/11/19

E.E. (Project) 6/11/19

Technical Sanction

Accorded For
Head of A/C
CER NO : Dt:

TA CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK: Improvements to CC Roads and CC Drains works at Kogilu Layout in Ward No.05 Byatarayanapura Sub Division

Estimate Cost Rs 9900000.00

Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum							
	For Culvert								
			1	6.30	2.10	0.75	9.92		
			1	6.00	2.10	1.00	12.60		
			1	2.50	2.10	1.00	5.25		
			1	3.70	2.10	1.00	7.77		
			1	4.40	2.10	1.00	9.24		
			1	6.10	2.10	1.00	12.81		
	1st Main 4thA Cross		1	8.40	2.10	1.00	17.64		
	5th Cross		1	5.40	2.10	1.00	11.34		
	New Drain								
	Kogilu Layout		1	466.30	1.55	0.92	662.99		
	bande Main Road		2	120.00	1.20	1.10	316.80		
	Sai Baba Temple Road		12	0.28		2.00	6.72		
	For Drain Desilt								
	1st main Bond Road		1	38.20	0.60	0.45	10.31		
	1st main Bond Road		1	11.80	0.60	0.45	3.19		
	1st main Bond Road		1	21.00	0.60	0.45	5.67		
	1st main Bond Road		1	99.00	0.60	0.45	26.73		
	1st main Bond Road		1	37.00	0.60	0.45	9.99		
	1st main Bond Road		1	33.00	0.60	0.45	8.91		
	1st main Bond Road		1	25.00	0.60	0.45	6.74		
	1st main Bond Road		1	37.00	0.60	0.45	9.99		
	1st main Bond Road		1	36.00	0.60	0.45	9.72		
	For CCRoad		1	98.00	4.9	0.30	145.10		
	St michel School Road		1	17.00	4.8	0.30	24.41		
	Jai Bheem Nagar		1	17.00	5.50	0.30	28.05		
	Ambedkar Bhavan Road					Cum	1361.89	137.80	187669.03
	Basic Rate	130.00							
	Area Weightage @6%	7.80							
	Total	**137.80**							
2	Removing B S Slab of Drain and stacking 7.5MM Thick and as per the directions of the Engineer-in-charge of the work	Sqm							
	1st main Bond Road		1	30.00	1.65		49.50		
	1st main Bond Road		1	9.80	1.65		16.17		
	1st main Bond Road		1	16.00	1.65		26.40		
	1st main Bond Road		1	80.00	1.65		132.00		
	1st main Bond Road		1	29.50	1.65		48.68		
	1st main Bond Road		1	26.50	1.65		43.73		
	1st main Bond Road		1	20.00	1.65		33.00		
	1st main Bond Road		1	29.50	1.65		48.68		
	1st main Bond Road		1	28.50	1.65		47.03		
	1st main Bond Road					Sqm	445.17	104.94	46716.14
	Basic Rate	99.00							
	Area Weightage @6%	5.94							
	Total	104.94							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Grand Total		8460344.00
	For 12% Applicable GST								1015241.00
	For 4% KRIDL Charges								338414.00
	For 1% DPR Charges								84603.44
	Miscesallaneous Charges	L/S							1397.56
									9900000.00

Certificate

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2018-19
3. This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits

Assistant Engineer
Ward No. 05(Jakkur)

Executive Engineer 22/11/19
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Project Yelahanka

Administrative Approval

Accorded For RC-19-20 (Works only)
Head of A/C 2-3727
CER NO 24 dt 11/2019

E.E. (Project) 11/11

Technical Sanction

Accorded For
Head of A/C
CER NO

TA CE (Y.N.)

YELAHANKA ZONE

NAME OF WORK Improvements to CC Roads and CC Drains works at Kogilu Layout in

Ward No 05 Byatarayanapura Sub Division

S no	Description of Item	Unit	No					
	For Culvert		1	6.30	2.40			
			1	6.00	2.10	1.00		
			1	2.50	2.10	1.00		
			1	3.70	2.10	1.00		
			1	4.40	2.10	1.00		
			1	6.10	2.10	1.00		
			1	8.40	2.10	1.00		
			1	5.40	2.10			
	Kogilu Layout		1	466.30				
			2	120.00				
			12	0.28				
	hande Main Road							
	Sai Baba Temple Road		1	38.20	0.60	0.45		
			1	11.80	0.60	0.45		
			1	21.00	0.60			
			1	99.00	0.60			
			1	37.00	0.60			
			1	33.00	0.60	0.45		
			1	25.00	0.60	0.45		
			1	37.00	0.60	0.45		
			1	36.00	0.60			
			1	98.00	4.9	0.30		
			1	17.00	4.8	0.30		
			1	17.00	5.50	0.30		
		Total	130.00					
			7.80					
		Total	137.80					
		Sqm	1	30.00	1.65			
			1	9.50	1.65			
			1	14.30	1.65			
			1	8.30	1.65			
			1	29.50	1.65			
			1	26.50	1.65			
			1	20.30	1.65			
			1	28.50	1.65			
			1	28.50	1.65			
		Sqm						
		Total	164.94					

Sl No	Description of item	Unit	A	B	C	D	Qty	Rate	Grand Total	Amount
28	For 12% Applicable GST									
29	For 4% KRIDL Charges									
30	For 1% DPR Charges	L/S								
31	Miscesallaneous Charges									

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per PWD SR of 2018-19
3. This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
4. The provisions were made in this estimate are necessary and adequate
5. This works come under B.B.M.P. limits

Assistant Engineer
Ward No. 05(Jakkur)

Executive Engineer 22/x/19
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Project Yelahanka

Administrative Approval
Accorded For Rs. 99-00 (Rupees only
Head of A/C 5 3727
CER NO 24

E.E. (Project) 4/11

Technical Sanction
Accorded For
Head of A/C
CER NO

TA to CE (Y.N.K)

Bangalore Mahanagara Palike

Excecutive Engineer, Project Division, Yelahanka

Name of Work: Providing new borewells and CC Roads, drains development in Nagawara, Mastripalya and other adjacent Layouts

Est Cost: 120.00 Lakhs

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.47, I. 9.4) PRED.SR 2019-20**								
	Basic Rate	3768.00							
		1				1.00	Each	3768.00	3768.00
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **Sl no. 13.01 PRED SR 2019-20**								
	Basic Rate	347							
	0 to 50 m	1	50.00			50.00	m	347.00	17350.00
	Basic Rate	442							
	50 to 100 m	1	50.00			50.00	m	442.00	22100.00
	Basic Rate	456							
	100 to 150 m	1	50.00			50.00	m	456.00	22800.00
	Basic Rate	536							
	150 to 200 m	1	50.00			50.00	m	536.00	26800.00
	Basic Rate	634							
	200 to 250 m	1	50.00			50.00	m	634.00	31700.00
	Basic Rate	700							
	250 to 300 m	1	50.00			50.00	m	700.00	35000.00
	Basic Rate	825							
	300 to 350 m	1	50.00			50.00	m	825.00	41250.00
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **SE PRED III NO 84**								
		1	54.00			54.00	Rmtr	1325.00	71550.00
4	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 250mm dias. (Page No. 88 Item No. 12.116.5) PWD SR 2018-19								
	Basic Rate	2075							
	Area Weightage 6%	124.5							

Total Construction Cost	10245782.62
Towards KRIDL Charges @ 3+1%	10414842.58 / 416593.70
Sub Total	10831436.28
Towards GST@ 12%	1299772.35 / 10460783.53
Total	11678419.82
For 1% DPR Charges	116780.00 / 120000.00
Utility Shifting,Miscellaneous and Rounding off	1580.18
GRAND TOTAL	12000000.00

(In words : One Crore Twenty Lakhs Only)

Certificate

1 The workspot was inspected and works is found to be necessary.

2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

3 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, Pred , Electrical Sr 2014-15 Issue rates and Data Rates

Assistant Engineer
Yelahanka Project division
BBMP Bangalore

28/10/19
Asst. Executive Engineer
Yelahanka Project division
BBMP Bangalore

Executive Engineer 22/X/19
Yelahanka Project division
BBMP Bangalore

Administrative Approval

Accorded For Rs.120.00 Lakhs only
Head of A/C P-3727
CER NO :...27... Dt:04/11/19

E.E. (Project) 4/11

Technical Sanction

Accorded For
Head of A/C
CER NO :...166... Dt:

TA SE (YNK)